

S.No. 2047

12UCS05/  
12UIS05

(For the candidates admitted from 2012-2013 onwards)

B.Sc. DEGREE EXAMINATION,  
APRIL/MAY 2018.

Fourth Semester

Computer Science

PROGRAMMING IN JAVA

(Common for IS)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is a variable?
2. Briefly explain the jump statements.
3. What is a class?
4. How to create an object?
5. How do we define a try block?
6. What is an exception?

7. What is thread?
8. How do we start a thread?
9. What is an applet?
10. How to design a web page using html tags?

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) What is an array? Explain different forms of array.

Or

- (b) Explain the branching and iteration statements.

12. (a) Write short note on method overloading.

Or

- (b) Explain briefly about the constructor.

13. (a) Explain how exception handling mechanism can be used.

Or

- (b) How to create a package?

14. (a) Describe the life cycle of a thread.

Or

- (b) How to set priorities for threads?

15. (a) How do applets differ from application programs?

Or

- (b) Write an applet program to draw polygons.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions out of five questions.

16. Explain the features of java.

17. What are the different forms of inheritance? Explain

18. What are the various forms of interface implementation? Explain

19. Write a note on synchronization.

20. Explain the life cycle of Applet.